

Large scale observational research using routinely collected electronic health records

The rapid adoption of electronic health record (EHRs) has been observed in the healthcare sector across the world. The primary purpose of EHRs is to capture information associated with care provision. At the same time, EHRs are valuable resources to undertake observational research. However, the data is often stored in unstandardized silos, making it difficult to link, analyse and compare. We can overcome this problem by harmonizing the datasets to a common data model. Common data model is a harmonized schema to link, store, analyse and compare large datasets, that can achieve semantic and syntactic interoperability. In this seminar Dr Jitendra Jonnagaddala will discuss findings from several studies carried out using the harmonized linked data from the electronic practice-based research network (ePBRN) data repository. ePBRN is a large primary care data repository of over 1 million unique patients linked with hospital admissions and community health center data. Dr Jonnagaddala will also discuss the challenges and limitations associated with observational research using EHRs in primary care.

About Dr Jitendra Jonnagaddala

Jitendra is a Research Fellow with the School of Population Health (SPH) under the Faculty of Medicine at the University of New South Wales (UNSW), Sydney, Australia. Jitendra's research interests are in the secondary usage of routinely collected electronic health records (EHRs) data. His focus is on linking and harmonising primary care data with hospital admissions data, social media and wearable devices data to Observational Health Data Sciences and Informatics (OHDSI) Common Data Model. He is also secretary of OHDSI-Australia chapter. Jitendra as part of his PhD investigated the methods to assess absolute risk assessment for Coronary artery Disease in Type 2 Diabetes patients using EHRs. He is also the main organiser and editor of the International Workshop on Digital Disease Detection using Social Media (DDDSM). He is also a WHO international consultant on eHealth and Health information systems. As part of his consulting assignments he worked with funding agencies, health ministries, and technical assistance agencies and not for profit organisations.

School of Population Health
UNSW Medicine

Seminar Invitation

Wednesday, 11th November

12:00 - 1:00 pm

[Seminar is available by
Teams Meeting Link](#)



Venue: Seminar is available by [Teams Meeting Link](#)

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Recorded Seminars are available on the [School of Population Health website](#)

Organisation: Seminars are organised by Professor Robyn Richmond. Research student seminars are organised by Poshan Thapa School of Population Health (formerly School of Public Health and Community Medicine), Faculty of Medicine, UNSW Sydney, NSW 2052, Australia | Tel: +61 (2) 9385 2517 | Web: sphcm.med.unsw.edu.au | CRICOS Provider Code 00098G



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